

# EUROPEAN PATENT OFFICE

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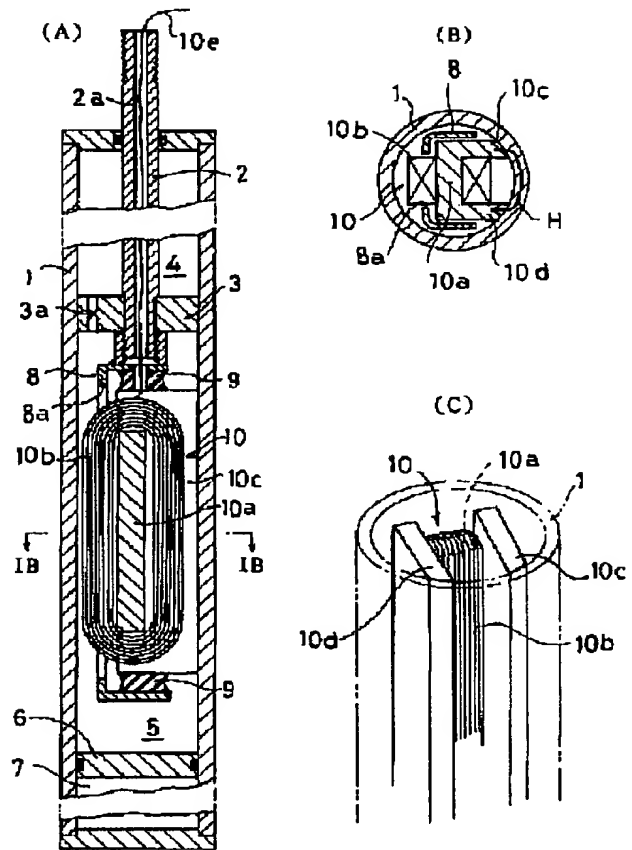
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APPLICANT : HONDA MOTOR CO LTD;

INVENTOR : SHIBAHATA KOJI;

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TITLE : DAMPING FORCE VARIABLE DAMPER



ABSTRACT : PROBLEM TO BE SOLVED: To improve an efficiency by obtaining a large frictional force with a small electric power, in a damper for varying the damping force by using an electromagnet.

SOLUTION: An electromagnet 10 supported movably in the diametral direction of a damper on a rod 2 is provided in a damper main body 1. A pair of poles 10c, 10d extending toward one side part of the peripheral direction of the inner periphery surface of the damper main body 1 are formed on the core 10b of the electromagnet 10 and both poles 10c, 10d are constituted by the excitation of the electromagnet 10 so as to be attracted magnetically to the inner peripheral surface of the damper main body 1.

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